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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/922,349	08/03/2001	John R. Havens	265/263	5484
34263	7590	01/16/2004	EXAMINER	
O'MELVENY & MEYERS 114 PACIFICA, SUITE 100 IRVINE, CA 92618				MARSCHEL, ARDIN H
		ART UNIT		PAPER NUMBER
		1631		

DATE MAILED: 01/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

SM

Office Action Summary	Application No.	Applicant(s)
	09/922,349	HAVENS ET AL.
	Examiner Ardin Marschel	Art Unit 1631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 16 October 2003.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-5,15-30,32 and 33 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-5,15-30,32 and 33 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) 1-5,15-30,32 and 33 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 a) The translation of the foreign language provisional application has been received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____

4) Interview Summary (PTO-413) Paper No(s) _____.
5) Notice of Informal Patent Application (PTO-152)
6) Other: _____

DETAILED ACTION

Applicants' arguments, filed 10/16/03, have been fully considered but they are not deemed to be persuasive. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

NEW MATTER

Claims 1-5, 15-30, 32, and 34 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

It is noted that instant claim 1 has been amended to a current density value of magnitude 0.10 from the previously cited 0.04 value. Consideration of the instant application as filed has revealed that the only generic current density value that was disclosed for any permeation layer and electrode material which has written basis is the 0.04 density value. Regrettably, this issue was inadvertently overlooked in a previous filed amendment which added new instant claims 32 and 33 which also is now considered as NEW MATTER again because these densities for any generic electrode/permeation layer, as now claimed, does not have written basis as filed. Because this NEW MATTER in claims 32 and 33 was not previously noticed, this action is made Non-final. For further explanation, a review of the instant application as filed

reveals that the 0.1 current density is disclosed on page 6 regarding Figures 5A and B but only with a Pt electrode, and only with a PtSi electrode which has any stability that is no delamination under this current density. It is noted that stability is required in the instant claims. Therefore, the 0.1 current density is only disclosed for the stable electrode of the PtSi type on said page 6. The other current density disclosure of 0.10 is set forth in Example 1 on pages 10-11 of the specification but here again only a PtSi electrode embodiment is disclosed with all measurements. Thus, the scope of the above listed instant claims wherein a 0.10, 0.2, or 0.4 current density is present with any generic electrode other than the PtSi electrode contains NEW MATTER.

PRIOR ART

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 2, 4, 15, and 32, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bosley et al. (EP 0,226,470).

This rejection is maintained and reiterated from the previous office action, mailed 7/1/03. Applicants only argument is directed to the Declaration of Theodore M. Winger which as described above is not directed to the instant invention as claimed but rather to a particular embodiment as in Table II. There is no description therein as to how this embodiment relates to the broader descriptions in the reference and the fact that a specific embodiment may have unexpected results does not distinguish it over a variety of embodiments in the reference. It is noted that applicants have attempted to amend the instant claims but have fallen short of specifically amending the claims to that invention which is described in the Declaration which is directed to a specific PtSi electrode embodiment. It is acknowledged that unexpected results associated with a particular embodiment may overcome an obviousness rejection, but only to distinguish a claimed invention which is specifically limited to the embodiment for which the unexpected results are set forth. This specific limiting of the instantly claimed invention has not been performed by the amendment, filed 10/16/03. Thus, applicants' arguments are non-persuasive to overcome this rejection.

No claim is allowed.

Papers related to this application may be submitted to Technical Center 1600 by facsimile transmission. Papers should be faxed to Technical Center 1600 via the Central PTO Fax Center. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28, 1993)(See 37 CFR § 1.6(d)). The Central PTO Fax Center number is (703) 872-9306.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ardin Marschel, Ph.D., whose telephone number is (703)308-3894. The examiner can normally be reached on Monday-Friday from 8 A.M. to 4 P.M.

Application/Control Number: 09/922,349
Art Unit: 1631

Page 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward, Ph.D., can be reached on (703)308-4028.

Any inquiry of a general nature or relating to the status of this application should be directed to Legal Instrument Examiner, Tina Plunkett, whose telephone number is (703)305-3524 or to the Technical Center receptionist whose telephone number is (703) 308-0196.

January 9, 2004

Ardin H. Marschel
ARDIN H. MARSCHEL
PRIMARY EXAMINER